MENT BOOK

Dimensions			Contents	Reference to last Measureme
Length	Breadth	Depth		
4	5	6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209737

erial No. BR HOR/28-11-14

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Name of Work:- Improvements to Roads, Construction & Culvert and Asphalting to Siragarasa paradise main Road & Cross Roads in Ward No 11						
	Work Code No:- 011-13-0000 21 Estimated Cost:- Rs. 20-00 Lakhs						
	Work order no:- EE/BSP/KRIDL/W.O/45/14-15 Dated 5/8/7/14						
	Name of Agency:- Technical manager KRIDL Bangalore.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Recorded on 4/8/14						
	1) Earth work excavation by manual means in hard soil involving an average horizontal throw upto 20m and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per Specifications.						
	Desilting of Drains						
	Main Road						

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8

Manual means i/c Hard soil
ported throw up to 2mtrs
-5m, excavated surface
dressed, the disposed earth
breaking of clods etc
trary.

00x0·45x0·40= 10·80
00x0·45x0·35= 9·45
x0·45x0·40= 10·80
0 x0·45x0·45= 14·62

C&Fc

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಕಾರಿ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ
ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209738

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			2x30·00x	0·45x	0·30=	8·10	
			2x30·00x	0·45x	0·45=	12·15	
			2x30·00x	0·45x	0·40=	10·80	
			2x30·00x	0·45x	0·35=	9·45	
			2x30·00x	0·45x	0·45=	12·15	
			2x30·00x	0·45x	0·40=	10·80	
			2x20·70x	0·45x	0·35=	6·52	
	cross Road		2x30·00x	0·45x	0·40=	10·80	
			2x30·00x	0·45x	0·40=	10·80	

C&Fc

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For ~~Road Surface~~ Berm Cutting main Road		2 x 22.80 x 0.45 x 0.45 =			9.23	
			2 x 30.00 x 1.00 x 0.20 =			12.00	
			2 x 30.00 x 0.95 x 0.25 =			14.25	
			2 x 30.00 x 0.90 x 0.20 =			10.80	
			2 x 36.10 x 0.85 x 0.15 =			9.21	
			2 x 30.00 x 0.95 x 0.20 =			11.40	
			2 x 30.00 x 0.90 x 0.15 =			8.10	
			2 x 30.00 x 1.00 x 0.20 =			12.00	
			2 x 30.00 x 1.00 x 0.20 =			12.00	
			2 x 30.00 x 0.95 x 0.25 =			14.25	
			2 x 30.00 x 1.05 x 0.20 =			12.60	

C/F.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Cross Roads	

ENT BOOK

Dimensions			Contents	Reference to last Measureme
gth 4	Breadth 5	Depth 6	7	8
.80	x 0.45	x 0.45 =	9.23	
.00	x 1.00	x 0.20 =	12.00	
.00	x 0.95	x 0.25 =	14.25	
00	x 0.90	x 0.20 =	10.80	
10	x 0.85	x 0.15 =	9.21	
00	x 0.95	x 0.20 =	11.40	
00	x 0.90	x 0.15 =	8.10	
00	x 1.00	x 0.20 =	12.00	
00	x 1.00	x 0.20 =	12.00	
00	x 0.95	x 0.25 =	14.25	
00	x 1.05	x 0.20 =	12.60	

C/F.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209739

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Cross Roads	2	x 20.70	x 0.95	x 0.25 =	9.83	
		2	x 30.00	x 0.90	x 0.25 =	13.50	
		2	x 30.00	x 0.85	x 0.20 =	10.20	
		2	x 22.80	x 0.90	x 0.25 =	10.26	
			Total Qty			306.87 m³	
			Limited To			303.75 m³	
			JM 90.72			Rs. 27556.00	

C/C.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Removing B.S Slab Draing & Stacking etc. Main Road premeasurement Qty Vide page No Total Qty Limited To Jy 50.4					209.83 504.90m2 499.50m2 Rs.25030-00	
	3) Refixing stone Slabs of drains & pointing cs cem (1:3) Qty Vide item No 2 Total Qty Jy 70.04					499.50m2 Rs.34985-00	

erial No. .....
lame of Work .....
lame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	4) Scarifying existing along with their b materials & Stackin & 100m, Sequential fresh aggregates on Water bound Macad Hon & Machinaries Main Road	

T BOOK

sions		Contents	Reference to last Measureme
Breadth 5	Depth 6	7	8
6.00+6.10 / 2		= 181.50	
6.10+6.30 / 2		= 186.00	
6.30+7.00 / 2		= 137.66	
8.10+8.20 / 2		= 244.50	C&Fe
8.20+7.40 / 2		= 234.00	
7.40+7.40 / 2		= 222.00	
7.40+8.30 / 2		= 288.50	
8.30+10.90 / 2		= 61.61	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209745

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Cross Road	1	30.00	5.00+5.10 / 2		= 151.50	
				Total Qty		2392.27 m²	
				Limited to		2377.50 m²	
				Rate		@ 250.35=00	
	7) providing and applying primer Coat @ rate 12.2 to 14.6 kg/100 sqm for surfaces of high porosity over prepared surface of granular base with Cut back Bit. C-70 or any other						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	bitumen mixed with diesel at 15kg/10sqm heated in bitumen boiler fitted with spray set including cost of all material, labour Hong machinery etc complete as per Specifications.						
	Qty vide Item No. 6						
			Total Qty			2377.50m²	
			Mt 142.07			₹, 337771.00	
8)	providing and laying semi dense bituminous Concrete 25mm thick with 100-120 TPH batch type Hong						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	producing an ave	
	Crushed aggregates of	
—	mineral binder at 4	
	hot mix to work fit	
	with Sensor control	
	rolling with smooth	
	to achive the des	
	clause No. 500-8	

IT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		at 13kg/10sqm heated	
		spray set including	
		Hoing machinery etc	
		No. 6	
		Total Qty 2377.60mt	
		42.07 @ 3377/-200	
		idence bituminous Concrete	
		TPH batch type Hmp	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209746

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	producing an average out put of 75 tonnes per Hour using Crushed aggregates of Specified grading, premixed with bitu- minous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site for laying with a hydrostatic paver finisher with Sensor control to the required grade, level & alignment rolling with smooth wheeled vibratory and tandem roller to achive the desired compaction as per MORTH specifications clause No. 500-8 with 80/100 grade bitumen etc						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete as per Specifications. main Road						

1 × 30.00 × (6.00 + 6.20)/2 × 0.025 = 4.58

1 × 30.00 × (6.20 + 6.00)/2 × 0.025 = 4.58

1 × 30.00 × (6.00 + 5.90)/2 × 0.025 = 4.46

1 × 30.00 × (5.90 + 6.00)/2 × 0.025 = 4.46

1 × 30.00 × (6.00 + 6.10)/2 × 0.025 = 4.54

1 × 30.00 × (6.10 + 6.30)/2 × 0.025 = 4.65

1 × 20.70 × (6.30 + 7.00)/2 × 0.025 = 3.44

C/F

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Cross Road	

BOOK

...s		Contents	Reference to last Measureme
...adth 5	Depth 6	7	8
...+6.20 ...0.025 = 4.58			
...0+6.00 ...0.025 = 4.58			
...+6.90 ...0.025 = 4.46			
...+6.00 ...0.025 = 4.46			
...+6.10 ...0.025 = 4.54			
...+6.30 ...0.025 = 4.65			
...0+7.00 ...0.025 = 3.44			

C & F C

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209747

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	30.00	$\frac{8.10+8.20}{2}$	0.025	6.11	
		1	30.00	$\frac{8.20+7.40}{2}$	0.025	5.85	
		1	30.00	$\frac{7.40+7.40}{2}$	0.025	5.55	
		1	30.00	$\frac{7.40+8.30}{2}$	0.025	6.26	
		1	6.10	$\frac{9.30+10.30}{2}$	0.025	1.54	
	Cross Road	1	30.00	$\frac{5.00+5.10}{2}$	0.025	3.79	

C & F C

C & F C

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Total Qty			59.81 m3	
			Limited To			59.44 m3	
			Qty 9981.36			Rs. 5932920.00	
	9) Lead for Disposal of Debris shall be payble at Carriage rates by Mechanical means including loading and Unloading from 0.000 2.000 km Qty vide item No 1						
			Total Qty			227.81 m3	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	10) KRIDL charges @	
	11) Third pantry @	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
ted Qty			59.81 m3	
ted To			59.44 m3	
81.36			Rs. 593292=00	
			Engg 5/11/14	
...shall be payable at ...em (a) Mealy ...clothing ...ons 0.0000 2.00 kms ...item No. 1				
ted Qty			227.81 m3	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209748

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				JM	72.71	Rs. 16564=00	
	Sub Total					Rs 1784428=00	
	10) KRIDL charges @ 11% added					Rs 196287=00	
	11) Third party QC Inspection charges @ 1%					Rs 17844=00	
	Total					Rs. 1998559=00	
	C&F.					1980715=00	
	Engg 25/11/14						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರಾಗಿ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬಿ. ಬೆಂ. ಮ ಸಾ. ಬೆಂಗಳೂರು-97